Name _____ Period _____

College Prep Chemistry of the Earth

Assignment 4F – Writing Combination Reactions 20 Points

For the following reactions, write the products of each reaction following the template provided. Show work for ionic compound

Reaction	$Na + O_2 \rightarrow$ _____			
A	+	B	→	AB
	+		→	

Reaction	$Al + F_2 \rightarrow$ _____			
A	+	B	→	AB
	+		→	

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		

Reaction	$Cr^{3+} + N_2 \rightarrow$ _____			
A	+	B	→	AB
	+		→	

Reaction	$Fe^{2+} + P \rightarrow$ _____			
A	+	B	→	AB
	+		→	

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		

Reaction	$Ti^{4+} + I_2 \rightarrow$ _____			
A	+	B	→	AB
	+		→	

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		

Reaction	$W^{6+} + O_2 \rightarrow$ _____			
A	+	B	→	AB
	+		→	

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		

Reaction	$V^{3+} + S \rightarrow$ _____			
A	+	B	→	AB
	+		→	

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		

Reaction	$Pb^{4+} + N_2 \rightarrow$ _____			
A	+	B	→	AB
	+		→	

Formula	A	B
Elements		
Ion Charge		
Cross Method		
AB		